



# NITFS Compliance Registration



**Product:** Dissemination Element (DE) Version 4.0.1, Build 551, (ERS 01)

**Supplier:** National Imagery and Mapping Agency (NIMA)

**Developer:** Lockheed Martin Management and Data Systems

**Date:** 30 May 2003

**Expiration:** 29 May 2005

**Registration #:** 125

- ☐ Initial Registration  
☒ Supplemental/Update #24  
☐ Derived from Reg. #

**System**  
N-0105/98, §4.1.1

## NITFS Features Implemented:

**Product**  
N-0105/98, §4.1.2

**Component**  
N-0105/98, §4.1.3

### Format

**NITF**

☐ v2.1

☒ v2.0

☐ v1.1

**NSIF**

☐ v1.0

### Image Segment Types

☒ MONO

☐ RGB

☐ RGB/LUT

☐ YCbCr

☐ MULTI

☐ NO DISPLY

☐ POLAR

### Data Extension Segments

☐ TRE\_OVERFLOW

☐ STREAMING\_FILE\_HEADER

☐ Controlled Extensions \*\*

☐ Registered Extensions \*\*

### Tagged Record Extensions

☒ AE - PIAPRC

☐ National SDE - ALL

☐

**NOTE:** Version supports unaltered "pass through" of JPEG compressed and uncompressed NITF products.

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

## Configurations Tested:

- Sun Client - E-450- Sun Solaris 2.6 [CLEVELs 1-6]  
Image Formats: Full, IMP, Chips, 8/8 and 11/16 Bits

- Sun Server - E6000 - Sun Solaris 8 [CLEVELs 4-6]  
Image Formats: Full, IMP, RRDS, 11/16 Bit

### Pixel Value Types

☐ Boolean

☒ Integer

☐ Signed Integer \*

☐ IEEE Real \*

☐ IEEE Complex \*

### Annotation Segment Types

☐ Bit Mapped \*\*

☐ CGM, 2301

☐ CGM, 2301A

☐ Labels \*\*

### Text Segments

☐ STA

☐ UT1

☐ U8S

☐ MTF

### Image Compression

☒ Not Compressed

☐ JPEG Lossy, 8-bit

☐ JPEG Lossy, 12-bit

☐ JPEG Downsample

☐ JPEG Lossless

☐ JPEG 2000

☐ BC Level

☐ Vector Quantization

☐ Multispectral JPEG, Individual Band

EDWARD E. BOYLES, Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Imagery & Mapping Agency  
for the NITFS Test and Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.  
Potential users should evaluate the detailed test results to determine the suitability of  
the product for the intended use. Optional NITFS features may not be implemented.